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EXAMINER	
SARPONG, AKWASI	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/826,738	BLEDSOE ET AL.	
	Examiner	Art Unit	
	AKWASI M. SARPONG	2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *11/30/ 2009*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-4,7,8,17,19-38,43-56 and 58-65* is/are pending in the application.

4a) Of the above claim(s) *9-16* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-4,7-8,17,19-38,43-56 and 58-65* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *16 April 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *04/16/2004*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 09/15/2010 has been entered.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-3, 7-8, 17-19, 26-28, 30-32,43-46, 47-48, 50-51,54-58 are rejected under 35 U.S.C. 103(a) as being unpatentable over Virga (5321749) in view Zarco (20040210894)

Claim 1, Virga discloses a system (Fig. 2) comprising:

a processor **(Processor 7 shown in Fig. 2)** and at least one memory comprising software, **(the programs that are in Ram 10 shown in Fig. 2)** the software when executed performing a functionality for a print mechanism **(Col. 6 lines 55-61- thus the processor 7 via the program in RAM 10 controls the operation of both**

the scanner and printer) wherein the software is stored within a device that includes the print mechanism, **(Fig. 2 and 3 shows clearly that both ROM 10 and RAM 9 are in Processor 7 which is also in the whole apparatus as clearly shown in Fig. 3)**

the memory further comprising instructions executable by the processor to cause the processor to: **(Col. 6 lines 56-61- thus the processor 7 controls the whole apparatus)**

control a state of operation of the functionality where a first state is associated with an inability to execute the software so that the print mechanism does not perform the functionality **(Col. 5 lines 4-10- thus before an encrypted document can be printed, the decryption unit needs to decrypt the document with the encryption key - therefore the first state is the state of the apparatus where the document cannot be printed because the document is not encrypted-Please NB)**

NB_ as explained above the software that controls the printer to print the document cannot perform its printing function because the encryption key is not available)

receive functionalities from the processor, the functions including a second state of operation of the functionality; **((Col. 8 lines 31-43- thus functions (such as scanning or printing or copying or faxing) of the unit shown in Fig. 3 is displayed by display 19 for the user to specify which of them he wants the unit to perform- NB)**

NB- the second state is where the unit will be able to perform the specified function such as copying or faxing.

present the functionalities to a user; **(Col. 8 lines 36-40, "prompting the user" – thus the user uses the display and keyboard 20 to specify the functions needed by the user)**

receive user selection information from the user, **(Col. 8 lines 40-42- thus the processor receives the information specified by the user through the keyboard 20)** the user selection information being indicative of a selection of the second state of operation of the functionality, **(Col. 8 lines 40-43- thus user uses the keyboard 20 to specify the functions (such as scanning or printing or faxing)** the second state associated with an ability to execute the software so that the print mechanism performs the functionality; **(Col. 6 lines 59-61- thus the second state reads on the state of the apparatus shown in Fig. 3 wherein the document is decrypted and thus the software for performing printing can print the document).**

in response to receiving the user selection information, transmit first information indicative of the user selection to the processor; **(Col. 8 lines 40-43- thus the operator specify the function (such as scanning or printing) to the processor for the unit to perform that function)**

receive second information from the decryption unit in response to the first information, **(Col. 5 lines 5-8- thus the decryption key reads on the second information and the decryption is used after an operator has request an encrypted document to be printed)** where the second information enables execution of the software; **(Col. 5 lines 4-10- thus the decryption key is used to decrypt the document before the document can be printed)**

change the state of operation of the functionality from the first state to the second state using the second information from the decryption unit **(Col. 5 lines 1-10- thus the device shown in Fig. 3 performs scanning and faxing only when the decryption key is given by the decryption unit to decrypt the document-NB)**

NB- the second state is wherein the unit can print the document because the document is decrypted and

operate the print mechanism in accordance with the second state of operation of the functionality such that the print mechanism performs the functionality. **(Col. 5 line 7-8- thus "the decryption unit prints out the corresponding document" hence the printing software performs printing after the document is decrypted)**

Virga does not disclose receiving a list of selectable functions from a server. However Zarco discloses server 304 that stores firmware capabilities and which can also be stored in modules 114, 116 and 118 and these modules and hence the capabilities which are functions are selectively transferred from the server 304. Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify the apparatus shown in fig. 2 in Virga to include a server so that some of the information can be stored on the server. The motivation is that, it will make the printing and scanning process faster since the burden of processor 7 be reduced.

Claim 2, Virga in view of Zarco discloses wherein the first state comprises a disabled state of the functionality **(Virga: Col. 5 lines 1-10- the first state reads on the state of the device where the document cannot be printed because it is not**

decrypted by the encryption key) and wherein the second state comprises an enabled state of the functionality. **(Virga: Col. 5 lines 5-8- decryption key are entered for the decryption unit to print it out).**

Claim 3, - (Cancelled)

Claim 4, Virga in view of Zarco discloses wherein the second information comprises an encryption Key. **(Virga: Col. 3 lines 44-46- encryption keyword)**

Claims 5-6, Cancelled

Claim 7, Virga in view of Zarco discloses wherein the instructions are executed by the processor **(Virga: Processor 7 shown in Fig. 2)** to cause the processor to provide the first information associated with the user selection information to the server **(Zarco: Server 304)** and **(Zarco: Section 0025, lines 4-6- thus the end user use a web server program to access the image-formation device 200)** using an external interface. **(Virga: Col. 8 lines 40-43- thus the user uses the keyboard 20 to specify which function such as scanning or printing)**

Claim 8, Virga in view of Zarco discloses wherein the instructions are executable by the processor to cause the processor to provide the first information associated with the user selection information **(Virga: Col. 8 lines 40-43- thus the user uses the keyboard 20 to specify which function such as scanning or printing)** to the server **(Zarco: Server 304)** by providing the first information to a computer system coupled to the external interface. **(Virga: Col. 8 lines 40-43- thus the user uses the keyboard 20 to specify which function such as scanning or printing or faxing)**

Claim 9-16, (Cancelled)

Claim 17, Virga discloses a method of performing a functionality for a print engine based on the execution of software stored within a device that includes the print engine, **(Col. 6 lines 55-61- thus the processor 7 via the program in RAM 10 and RAM 9 controls the operation of both the scanner and printer)** the method comprising:

controlling a state of operation of the functionality where a first state is associated with an inability to execute the software so that the print engine does not the perform the functionality; **(Col. 5 lines 4-10- thus before an encrypted document can be printed, the decryption unit needs to decrypt the document with the encryption key - therefore the first state is the state of the apparatus where the document cannot be printed because the document is not encrypted-Please NB)**

NB_ as explained above the software that controls the printer to print the document cannot perform its printing function because the encryption key is not available)

receiving a list of selectable functionalities from processor, the list including a second state of operation of the functionality **((Col. 8 lines 31-43- thus functions (such as scanning or printing or copying or faxing) of the unit shown in Fig. 3 is displayed by display 19 for the user to specify which of them he wants the unit to perform-NB)**

NB- the second state is where the unit will be able to perform the specified function such as copying or faxing.

presenting the functionalities to a user; **(Col. 8 lines 36-40, "prompting the user" – thus the user uses the display and keyboard 20 to specify the functions needed by the user)**

receiving user selection information from the user, **(Col. 8 lines 40-42- thus the processor receives the information specified by the user through the keyboard 20)** the user selection information being indicative of the second state of operation of the functionality, **(Col. 8 lines 40-43- thus user uses the keyboard 20 to specify the functions (such as scanning or printing or faxing)** the second state associated with an ability to execute the software so that the print engine performs the functionality; **(Col. 6 lines 59-61- thus the second state reads on the state of the apparatus shown in Fig. 3 wherein the document is decrypted and thus the software for performing printing can print the document).**

in response to receiving the user selection information, transmitting first information indicative of the user selection to the server; **(Col. 8 lines 40-43- thus the operator specify the function (such as scanning or printing) to the processor for the unit to perform that function)**

receiving second information from the server in response to the first information, **(Col. 5 lines 5-8- thus the decryption key reads on the second information and the decryption is used after an operator has request an encrypted document to be printed)** where the second information enables execution of the software; **(Col. 5 lines 4-10- thus the decryption key is used to decrypt the document before the document can be printed)**

and

changing the state of operation of the functionality from the first state to the second state using the second information from the decryption unit- **(Col. 5 lines 1-10- thus the device shown in Fig. 3 performs scanning and faxing only when the decryption key is given by the decryption unit to decrypt the document-NB)**

NB- the second state is wherein the unit can print the document because the document is decrypted,

wherein the print engine operates in accordance with the second state of operation of the functionality such that the print engine performs the functionality. **(Col. 5 line 7-8- thus "the decryption unit prints out the corresponding document" hence the printing software performs printing after the document is decrypted)**

Virga does not disclose receiving a list of selectable functions from a server. However Zarco discloses server 304 that stores firmware capabilities and which can also be stored in modules 114, 116 and 118 and these modules and hence the capabilities which are functions are selectively transferred from the server 304. Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify the apparatus shown in fig. 2 in Virga to include a server so that some of the information can be stored on the server. The motivation is that, it will make the printing and scanning process faster since the burden of processor 7 be reduced.

Claim 18, - (Cancelled)

Claim 19, Virga in view of Zarco discloses that the method further comprising providing an interface for the user to select the functionality from the list. **(Virga: Col. 8 lines 36- Display 19 and keyboard 20 is used by the user to specify the function that needs to be carried out on the apparatus shown in fig. 3)**

Claim 22, Virga in view of Zarco discloses that the method further comprising receiving second information associated with the functionality from the server **(Zarco: Server 304)** and **(Zarco: Section 0025, lines 4-6- thus the end user use a web server program to access the image-formation device 200)** in response to providing the user selection information **(Virga: Col. 8 lines 40-43- thus the user uses the keyboard 20 to specify which function such as scanning or printing)**

Claim 26, Virga in view of Zarco discloses wherein the functionality **(Virga: Col. 7 lines 27-28 "document being scanned" hence scanning is the function on the apparatus)** comprises an upgraded level of software or hardware. **(Zarco: Section 0020, lines 7-8 "upgraded with an image-formation module" reads on upgraded level of software or hardware)**

Cliam 27, Virga discloses a method for performing a functionality for a functional unit based on the execution of software stored within a device that includes the functional unit, **(Col. 6 lines 45-48- thus the programs stored in ROM 10 that controls processor 7 to print the document using the printer 13)** the method comprising:

controlling a state of operation of the functionality where a first state is associated with an inability to execute the software so that the functional unit does not perform the functionality; **(Col. 5 lines 4-10- thus before an encrypted document can be printed, the decryption unit needs to decrypt the document with the encryption key - therefore the first state is the state of the apparatus where the document cannot be printed because the document is not encrypted-Please NB)**

NB_ as explained above the software that controls the printer to print the document cannot perform its printing function because the encryption key is not available)

receiving a functionalities from a processor, the functions including a second state of operation of the functionality; **((Col. 8 lines 31-43- thus functions (such as scanning or printing or copying or faxing) of the unit shown in Fig. 3 is displayed by display 19 for the user to specify which of them he wants the unit to perform- NB)**

NB- the second state is where the unit will be able to perform the specified function such as copying or faxing.

presenting the functionalities to a user; **(Col. 8 lines 36-40, "prompting the user" – thus the user uses the display and keyboard 20 to specify the functions needed by the user)**

receiving user selection information from the user, **(Col. 8 lines 40-42- thus the processor receives the information specified by the user through the keyboard**

20) the user selection information being indicative of the second state of operation of the functionality, **(Col. 8 lines 40-43- thus user uses the keyboard 20 to specify the functions (such as scanning or printing or faxing)** the second state associated with an ability to execute the software so that the functional unit performs the functionality; **(Col. 6 lines 59-61- thus the second state reads on the state of the apparatus shown in Fig. 3 wherein the document is decrypted and thus the software for performing printing can print the document).**

in response to receiving the user selection information, transmitting first information indicative of the user selection to the processor; **(Col. 8 lines 40-43- thus the operator specify the function (such as scanning or printing) to the processor for the unit to perform that function)**

receiving from the decryption unit, second information **(decryption key- Col. 5 lines 6-7)** in response to the first information, **(Col. 5 lines 1-4 "User's intention to scan or print the encrypted document)** where the second information enables execution of the software; **(Col. 5 lines 6-8 "enter the decryption key and have the decryption unit print out the corresponding unencrypted document)** and

changing the state of operation of the functionality from the first state to the second state using the second information from the processor, **(Col. 5 lines 1-10- thus the device shown in Fig. 3 performs scanning and faxing only when the decryption key is given by the decryption unit to decrypt the document-NB)**

NB- the second state is wherein the unit can print the document because the document is decrypted and

wherein the functional unit operates in accordance with the second state of operation of the functionality such that the functional unit performs the functionality. **(Col. 5 line 7-8- thus "the decryption unit prints out the corresponding document" hence the printing software performs printing after the document is decrypted)**

Virga does not disclose receiving a list of selectable functions from a server. However Zarco discloses server 304 that stores firmware capabilities and which can also be stored in modules 114, 116 and 118 and these modules and hence the capabilities which are functions are selectively transferred from the server 304. Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify the apparatus shown in fig. 2 in Virga to include a server so that some of the information can be stored on the server. The motivation is that, it will make the printing and scanning process faster since the burden of processor 7 be reduced.

Claim 28, Virga in view of Zarco discloses wherein the functionality for the functional unit comprises a facsimile capability. **(Virga: Col. 12 lines 24-26- "Fax Machine")**

Claim 29, Virga in view of Zarco discloses wherein the functionality for the functionality unit comprises a scanner capability. **(Virga: Col. 6 lines 56-58 and scanner 6 shown in Fig. 2)**

Claim 30, Virga discloses a system (Fig. 2) comprising:

A processor **(Processor 7 shown in Fig. 2)** and

At least one memory comprising software, **(Ram 10 and Ram 9 shown in Fig. 2)** when executed performing functionality for a functional unit wherein the software is stored within a device that includes the functional unit. **(Col. 6 lines 55-61- thus the processor 7 via the program in RAM 10 and RAM 9 controls the operation of both the scanner and printer which are the functional unit)**

the memory further comprising instructions executable by the processor to cause the processor to: **(Col. 6 lines 56-61- thus the processor 7 controls the whole apparatus)**

control a state of operation of the functionality where a first state is associated with an inability to execute the software so that the functional unit does not perform the functionality; **(Col. 5 lines 4-10- thus before an encrypted document can be printed, the decryption unit needs to decrypt the document with the encryption key - therefore the first state is the state of the apparatus where the document cannot be printed because the document is not encrypted-Please NB)**

NB_ as explained above the software that controls the printer to print the document cannot perform its printing function because the encryption key is not available)

receive a functionalities from a processor, the functions including a second state of operation of the functionality; **((Col. 8 lines 31-43- thus functions (such as**

scanning or printing or copying or faxing) of the unit shown in Fig. 3 is displayed by display 19 for the user to specify which of them he wants the unit to perform- NB)

NB- the second state is where the unit will be able to perform the specified function such as copying or faxing.

present the functionalities to a user; **(Col. 8 lines 36-40, "prompting the user" – thus the user uses the display and keyboard 20 to specify the functions needed by the user)**

receive user selection information from a user, **(Col. 8 lines 40-42- thus the processor receives the information specified by the user through the keyboard 20)** indicative of the second state of operation of the functionality, **(Col. 8 lines 40-43- thus user uses the keyboard 20 to specify the functions (such as scanning or printing or faxing)** the second state associated with an ability to execute the software so that the functional unit performs the functionality; **(Col. 6 lines 59-61- thus the second state reads on the state of the apparatus shown in Fig. 3 wherein the document is decrypted and thus the software for performing printing can print the document).**

in response to receiving the user selection information, transmit first information indicative of the user selection to the processor; **(Col. 8 lines 40-43- thus the operator specify the function (such as scanning or printing) to the processor for the unit to perform that function)**

receive second information from the decryption unit in response to the first information, **(Col. 5 lines 5-8- thus the decryption key reads on the second information and the decryption is used after an operator has request an encrypted document to be printed)** where the second information enables execution of the software; **(Col. 5 lines 4-10- thus the decryption key is used to decrypt the document before the document can be printed by the program or software stored in ROM 10 that controls both the scanner and printer as disclosed in Col. 6 lines 56-58)**

change the state of operation of the functionality from the first state to the second state using the second information from the decryption **(Col. 5 lines 1-10- thus the device shown in Fig. 3 performs scanning and faxing only when the decryption key is given by the decryption unit to decrypt the document-NB)**

NB- the second state is wherein the unit can print the document because the document is decrypted and

operate the functional unit in accordance with the second state of operation of the functionality such that the functional unit performs the functionality. **(Col. 5 line 7-8- thus "the decryption unit prints out the corresponding document" hence the printing software performs printing after the document is decrypted)**

Virga does not disclose receiving a list of selectable functions from a server. However Zarco discloses server 304 that stores firmware capabilities and which can also be stored in modules 114, 116 and 118 and these modules and hence the capabilities which are functions are selectively transferred from the server 304.

Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify the apparatus shown in fig. 2 in Virga to include a server so that some of the information can be stored on the server. The motivation is that, it will make the printing and scanning process faster since the burden of processor 7 be reduced.

Claim 31, Virga in view of Zarco discloses wherein the functionality comprises a facsimile function. **(Virga: Col. 12 lines 24-26- "Fax Machine")**

Claim 32, Virga in view of Zarco discloses wherein the functionality comprises a scanner function. **(Virga: Col. 6 lines 56-58 and scanner 6 shown in Fig. 2)**

Claim 35, Virga in view of Zarco discloses wherein the functionality **(Virga: Col. 7 lines 27-28 "document being scanned" hence scanning is the function on the apparatus)** for the print mechanism comprises an upgraded level of software or an upgraded level of hardware. **(Zarco: Section 0020, lines 7-8 "upgraded with an image-formation module" reads on upgraded level of software or hardware).**

Claim 36, Virga in view of Zarco discloses wherein the functionality **(Virga: Col. 7 lines 27-28 "document being scanned" hence scanning is the function on the apparatus)** comprises at least one of performance capabilities, renewable capabilities, and upgrade capabilities. **(Zarco: upgrading the image-formation module includes upgrading the capabilities of the image formation module-printer)**

Claim 37, Virga in view of Zarco discloses wherein the system comprises a printer with multiple hardware modules. **(Virga: Fig. 2 shows that the apparatus contains multiple units which reads on the hardware modules)**

Claim 38, Virga in view of Zarco discloses wherein the functionality comprises enabling at least one of the hardware modules. **(Virga: Col. 5 lines 5-7- thus the entered decryption key enables the programs stored in ROM 10 controls the printer to print the document).**

Claim 39 – 42, (Cancelled)

Claim 43, Virga discloses a printer with multiple hardware modules that includes the method of performing a functionality for a print engine based on the execution of software stored within a device that includes the print engine, **(Fig. 2 and 3 shows clearly that both ROM 10 and RAM 9 are in Processor 7 which is also in apparatus as clearly shown in Fig. 3)**

the method comprising:

controlling a state of operation of the functionality where a first state is associated with an inability to execute the software so that the print engine does not perform the functionality; **(Col. 5 lines 4-10- thus before an encrypted document can be printed, the decryption unit needs to decrypt the document with the encryption key - therefore the first state is the state of the apparatus where the document cannot be printed because the document is not encrypted-Please NB)**

NB_ as explained above the software that controls the printer to print the document cannot perform its printing function because the encryption key is not available)

receiving a list of selectable functionalities from a server, the list including a second state of operation of the functionality; **((Col. 8 lines 31-43- thus functions (such as scanning or printing or copying or faxing) of the unit shown in Fig. 3 is displayed by display 19 for the user to specify which of them he wants the unit to perform-NB)**

NB- the second state is where the unit will be able to perform the specified function such as copying or faxing.

presenting the functionalities to a user **(Col. 8 lines 36-40, "prompting the user" – thus the user uses the display and keyboard 20 to specify the functions needed by the user)**

receiving user selection information from the user, **(Col. 8 lines 40-42- thus the processor receives the information specified by the user through the keyboard 20)** the user selection information being indicative of the second state of operation of the functionality, **(Col. 8 lines 40-43- thus user uses the keyboard 20 to specify the functions (such as scanning or printing or faxing)** the second state associated with an ability to execute the software so that the print engine performs the functionality; **(Col. 6 lines 59-61- thus the second state reads on the state of the apparatus shown in Fig. 3 wherein the document is decrypted and thus the software for performing printing can print the document).**

in response to receiving the user selection information, transmitting first information indicative of the user selection to the processor **(Col. 8 lines 40-43- thus**

the operator specify the function (such as scanning or printing) to the processor for the unit to perform that function)

receiving second information from the decryption unit in response to the first information, **(Col. 5 lines 5-8- thus the decryption key reads on the second information and the decryption is used after an operator has request an encrypted document to be printed)** where the second information enables execution of the software **(Col. 5 lines 4-10- thus the decryption key is used to decrypt the document before the document can be printed)** and

changing the state of operation of the functionality from the first state to the second state using the second information from the decryption unit **(Col. 5 lines 1-10- thus the device shown in Fig. 3 performs scanning and faxing only when the decryption key is given by the decryption unit to decrypt the document-NB)**

NB- the second state is wherein the unit can print the document because the document is decrypted

wherein the print engine operates in accordance with the second state of operation of the functionality such that the print engine performs the functionality. **(Col. 5 line 7-8- thus "the decryption unit prints out the corresponding document" hence the printing software performs printing after the document is decrypted)**

Claim 44, Virga in view of Zarco discloses wherein the functionality comprises enabling at least one of the hardware modules. **(Virga: Col. 5 lines 4-10- thus**

entering the decryption key enables or have the decryption unit (hardware modules) to print out the corresponding unencrypted document)

Claim 45, Virga in view of Zarco discloses wherein the print engine operates within a printer with multiple hardware modules. **(Virga: Printer 13 inherently will have print engine to operate in it)**

Claim 46, Virga in view of Zarco discloses wherein the functionality comprises enabling at least one of the hardware modules. **(Virga: Col. 5 lines 4-10- thus entering the decryption key enables or have the decryption unit (hardware modules) to print out the corresponding unencrypted document)**

Claim 47, Virga discloses a system (Fig. 2) comprising a processor **(Processor 7 shown in Fig. 2)** and at least one memory comprising software, **(Ram 10 and Ram 9 shown in Fig. 2)** the software when executed enabling a modified capability level of a functionality for a print mechanism **(Col. 6 lines 55-61- thus the processor 7 via the program in RAM 10 and RAM 9 controls the operation of both the scanner and printer)** wherein the software is stored within a device that includes the print mechanism, **(Fig. 2 and 3 shows clearly that both ROM 10 and RAM 9 are in Processor 7 which is also in apparatus as clearly shown in Fig. 3)**

the memory further comprising instructions executable by the processor to cause the processor to **(Col. 6 lines 56-61- thus the processor 7 controls the whole apparatus)**

control a state of operation of the functionality where a first state is associated with a first capability level of the functionality such that the print mechanism is operated in accordance with the first capability level, the first state being further associated with an inability to execute the software so that the print mechanism does not perform the modified capability level of the functionality; **(Col. 5 lines 4-10- thus before an encrypted document can be printed, the decryption unit needs to decrypt the document with the encryption key - therefore the first state is the state of the apparatus where the document cannot be printed because the document is not encrypted-Please NB)**

NB_ as explained above the software that controls the printer to print the document cannot perform its printing function because the encryption key is not available)

receive functionalities from a server, the list including a second state of operation of the functionality **((Col. 8 lines 31-43- thus functions (such as scanning or printing or copying or faxing) of the unit shown in Fig. 3 is displayed by display 19 for the user to specify which of them he wants the unit to perform-NB)**

NB- the second state is where the unit will be able to perform the specified function such as copying or faxing.

present the functionalities to a user; **(Col. 8 lines 36-40, "prompting the user" – thus the user uses the display and keyboard 20 to specify the functions needed by the user)**

receive user selection information from the user, **(Col. 8 lines 40-42- thus the processor receives the information specified by the user through the keyboard 20)** the user selection information indicative of the second state of operation of the functionality, **(Col. 8 lines 40-43- thus user uses the keyboard 20 to specify the functions (such as scanning or printing or faxing)** the second state associated with an ability to execute the software so that the print mechanism performs the modified capability level of the functionality; **(Col. 6 lines 59-61- thus the second state reads on the state of the apparatus shown in Fig. 3 wherein the document is decrypted and thus the software for performing printing can print the document).**

in response to receiving the user selection information, transmit first information indicative of the user selection to the server; **(Col. 8 lines 40-43- thus the operator specify the function (such as scanning or printing) to the processor for the unit to perform that function)**

receive second information from the server in response to the first information, **(Col. 5 lines 5-8- thus the decryption key reads on the second information and the decryption is used after an operator has request an encrypted document to be printed)** where the second information enables execution of the software; **(Col. 5 lines 4-10- thus the decryption key is used to decrypt the document before the document can be printed)**

change the state of operation of the functionality from the first state to the second state using the second information from the decryption unit **(Col. 5 lines 1-10- thus the**

device shown in Fig. 3 performs scanning and faxing only when the decryption key is given by the decryption unit to decrypt the document-NB)

NB- the second state is wherein the unit can print the document because the document is decrypted

and

operate the print mechanism in accordance with the second state of operation of the functionality such that the print mechanism performs the modified capability level of the functionality. **(Col. 5 line 7-8- thus "the decryption unit prints out the corresponding document" hence the printing software performs printing after the document is decrypted)**

Virga does not disclose receiving a list of selectable functions from a server. However Zarco discloses server 304 that stores firmware capabilities and which can also be stored in modules 114, 116 and 118 and these modules and hence the capabilities which are functions are selectively transferred from the server 304. Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify the apparatus shown in fig. 2 in Virga to include a server so that some of the information can be stored on the server. The motivation is that, it will make the printing and scanning process faster since the burden of processor 7 be reduced.

Claim 48, Virga in view of Zarco discloses wherein the first state comprises a first level of performance, **(Virga: Col. 5 lines 1-4- before the decryption key is entered the level of performance of the printer reads on the first level of performance)** and wherein the second state comprises a second level of performance.

(Virga: Col. 5 lines 5-9 – after the decryption key is entered and the printing unit can perform printing of the document)

Claim 49, Virga in view of Zarco discloses wherein the second information comprises an encryption key. **(Virga: Col. 3 lines 44-46- encryption keyword)**

Claim 50, Virga in view of Zarco discloses wherein the instructions are executable by the processor **(Virga: Processor 7 shown in Fig. 2)** to cause the processor to provide the first information associated with the user selection information **(Virga: Col. 5 lines 1-5 thus the user saying that he wants the apparatus to scan or print the document place on the bin as clearly shown in Fig. 3)** to the server **(Zarco: Server 304)** using an external interface; **(Virga: Keyboard 20 is used by the user to provide information to processor 7)** and receive the second information **(Virga: decryption Key –Col. 5 lines 5-10)** associated with the functionality of the print mechanism in response to providing the first information to the server. **(Virga: Col. 7 lines 27-34 and 45-53 teaches clearly that the user enters a response and the processor receives the response and base on the response, the encrypted bitmap representation is then sent to the printer for printing- hence the printer can print base on the response entered by the user).**

Claim 51, Virga in view of Zarco discloses wherein the instructions are executable by the processor **(Virga: Processor 7 shown in Fig. 2)** to cause the processor to provide the first information associated with the user selection information to the server **(Zarco: Server 304)** by providing the first information to a computer

system coupled to the external interface. **(Virga: Keyboard 20 is used by the user to provide information to processor 7)**

Claim 54, Virga in view of Zarco discloses wherein the functionality for the print mechanism comprises software or hardware. **(Virga: Col. 3 lines 63-65-the programs stored in ROM 10 and microprocessor 8 also reads on the hardware)**

Claim 55, Virga in view of Zarco discloses wherein the functionality comprises at least one of performance capabilities and upgrade capabilities for the print mechanism. **(Zarco: Section 0020, lines 7-8 "upgraded with an image-formation module" reads on upgraded level of software or hardware).**

Claim 56, Virga discloses a method for enabling a modified capability level of a functionality for a print engine **(Col. 5 lines 4-8- thus the user enters the decryption key and have the decryption unit print out the corresponding unencrypted document- therefore the modified level of capability is when the unit can print because of the decryption key)** based on the execution of software wherein the software is stored within a device that includes the print engine, **(Col. 6 lines 55-61- thus the processor 7 via the program in RAM 10 and RAM 9 controls the operation of both the scanner and printer)** the method comprising:

controlling a state of operation of the functionality where a first state of operation of the functionality is associated with an inability to execute the software so that the print engine does not perform the modified capability level of the functionality; **(Col. 5 lines 4-10- thus before an encrypted document can be printed, the decryption unit needs to decrypt the document with the encryption key - therefore the first state**

is the state of the apparatus where the document cannot be printed because the document is not encrypted-Please NB)

NB_ as explained above the software that controls the printer to print the document cannot perform its printing function because the encryption key is not available)

receiving functionalities from a processor **(processor 7 shown in Fig. 2)** , the list including a second state of operation of the functionality; **((Col. 8 lines 31-43- thus functions (such as scanning or printing or copying or faxing) of the unit shown in Fig. 3 is displayed by display 19 for the user to specify which of them he wants the unit to perform-NB)**

NB- the second state is where the unit will be able to perform the specified function such as copying or faxing.

presenting the functionalities to a user; **(Col. 8 lines 36-40, "prompting the user" – thus the user uses the display and keyboard 20 to specify the functions needed by the user)**

receiving user selection information from the user, **(Col. 8 lines 40-42- thus the processor receives the information specified by the user through the keyboard 20)** the user selection information indicative of the second state of operation of the functionality, **(Col. 8 lines 40-43- thus user uses the keyboard 20 to specify the functions (such as scanning or printing or faxing)** the second state associated with

the ability to execute the software so that the print engine performs the modified capability level of the functionality; **(Col. 6 lines 59-61- thus the second state reads on the state of the apparatus shown in Fig. 3 wherein the document is decrypted and thus the software for performing printing can print the document).**

in response to receiving the user selection information, transmitting first information indicative of the user selection to the processor **(Col. 8 lines 40-43- thus the operator specify the function (such as scanning or printing) to the processor for the unit to perform that function)**

receiving second information from the decryption unit in response to the first information, **(Col. 5 lines 5-8- thus the decryption key reads on the second information and the decryption is used after an operator has requested an encrypted document to be printed wherein the request reads on the first information)** where the second information enables execution of the software; **(Col. 5 lines 4-8- thus the decryption key have or enables the printer to print the encrypted document)** and

changing the state of operation of the functionality from the first state to the second state using the second information from the decryption unit . **(Col. 5 lines 1-10- thus the device shown in Fig. 3 performs scanning and faxing only when the decryption key is given by the decryption unit to decrypt the document-NB)**

NB- the second state is wherein the unit can print the document because the document is decrypted and

wherein the print engine operates in accordance with the second state of operation of the functionality such that the print engine performs the modified capability level functionality. **(Col. 5 line 7-8- thus "the decryption unit prints out the corresponding document" hence the printing software performs printing after the document is decrypted)**

Claim 58, Virga in view of Zarco discloses that the method further comprising providing an interface for the user to select the second state of operation of the functionality from the list. **(Virga: Keyboard 20 is used by the user to specify which function whether it is scanning or printing or faxing)**

Claim 65, Virga in view of Zarco discloses wherein the functionality comprises a hardware functionality. **(Virga: Col. 3 lines 63-65-the programs stored in ROM 10 and microprocessor 8 also reads on the hardware)**

Claim 66, Virga in view of Zarco discloses wherein the second information received from the server comprises an encryption key configured to enable execution of the software. **(Virga: Col. 3 lines 44-46- encryption keyword)**

Claim 67, Virga in view of Zarco discloses wherein the second information received from the server comprises an encryption key configured to enable execution of the software. **(Col. 5 lines 1-5- thus the encryption key or decryption key enables the programs stored in ROM 10 to print the encrypted document)**

Claim 68, Virga in view of Zarco discloses wherein the second information received from the server comprises an encryption key configured to enable execution of

the software. **(Col. 5 lines 1-5- thus the encryption key or decryption key enables the programs stored in ROM 10 to print the encrypted document)**

Claim Rejections - 35 USC § 103

Claims 20-25, 33-34, 52-53, 59-64 are rejected under 35 U.S.C. 103(a) as being unpatentable over Virga (5321749) in view of Zarco (2004/ 0210894) Fujitani (20010034747).

Claim 20, Virga in view of Zarco discloses all the limitations in claim 1 but does not disclose providing an interface for the user to enter the payment information.

Fujitani discloses providing an interface for the user to enter the payment information. **(Fig. 7 shows an interface that is used by the user to select or enter payment information such as how payment is going to be made- please see section 0043, lines 14-18).** Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga in view of Zarco copier to include fujitani's user interface as shown in Fig. 7 so that the user can select how he wants payment to be made. This will enable the user to have a preferred way to make his payment.

Claim 21, Virga in view of Zarco and further in view of Fujitani discloses providing the payment information **(Fujitani: Section 0043, lines 14-18- thus the user input how payment is going to be made)** to the server **(Zarco: Server 304)**

Claim 22, Virga in view of Zarco discloses that the method further comprising receiving second information associated with the functionality from the server **(Zarco:**

Server 304) and **(Zarco: Section 0025, lines 4-6- thus the end user use a web server program to access the image-formation device 200)** in response to providing the user selection information **(Virga: Col. 8 lines 40-43- thus the user uses the keyboard 20 to specify which function such as scanning or printing)** however Virga in view of Zarco does not disclose payment information to the server.

Fujitani discloses making payment **(Fujitani: Section 0043, lines 14-18- thus the user input how payment is going to be made).** Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga in view of Zarco copier to include fujitani's user interface as shown in Fig. 7 so that the user can select how he wants payment to be made. This will enable the user to have a preferred way to make his payment.

Claim 23, Virga in view of Zarco discloses all the limitation in Claim 1 but does not disclose further comprising receiving payment information associated with the user selection information from the user.

Fujitani discloses receiving payment information associated with the user selection information from the user. **(Fujitani: Section 0043, lines 14-18- thus the user input how payment is going to be made and thus the payment information is received before the confirmation can be made).** Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga's apparatus shown in Fig. 1 to include Fujitani's input unit 114 as clearly shown in Fig. 2 so that users will be able to input their ID's for confirmation before a print job can proceed. The

motivation for this modification is to avoid unauthorized users getting confidential documents.

Claim 24, Virga in view of Zarco discloses all the limitations in Claim 17 but does not disclose wherein the functionality comprises a modified level of a print speed of the print engine.

Fujitani discloses wherein the functionality comprises a modified level of a print speed of the print engine. **(Fujitani: Section 0053, lines 5-8 and Claim 62- thus the user selects the speed that he wants the printer to print- hence the user can print at a selected print speed).** Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga's apparatus shown in Fig. 2 so that users can change the print speed and this will unable the user to have an input as to how fast the document will be printed.

Claim 25, Virga in view of Zarco discloses all the limitations in Claim 17 but does not disclose wherein the functionality comprises a modified level of a print resolution of the print engine. Fujitani discloses wherein changing the first state of the print engine to the second state comprises changing a print resolution of the print engine. **(Section 0053, lines 7-9- thus the user has to select between the two levels of resolution that the printer can print and therefore the resolution can be changed from one resolution to another).** Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga's apparatus shown in Fig. 2 to include

Fujitani's print resolution interface so that user can change the resolution of the printer. this will let users have different resolutions at which the document can be printed.

Claim 33, Virga in view of Zarco and further in view of Fujitani discloses wherein the functionality for the print mechanism comprises a print speed. **(Fujitani: Section 0053, lines 5-8 and Claim 62- thus the user selects the speed that he wants the printer to print- hence the user can print at a selected print speed)**.

Claim 34, Virga in view of Zarco and further in view of Fujitani discloses wherein the functionality for the print mechanism comprises a print resolution. **(Section 0053, lines 7-9- thus the user has to select between the two levels of resolution that the printer can print and therefore the resolution can be changed from one resolution to another)]**

Claim 49, Virga in view of Zarco and further in view of Fujitani discloses all the limitations in Claim 1 but does not disclose wherein the second information comprises an encryption key.

Fujitani discloses wherein the second information **(Section 0045, lines 8-14- thus the information inputted by the user includes identifications or password or PIN code of the user)** comprises an encryption key **(thus is the key (information provided) matches then a requested print process proceeds)**. Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga's apparatus to include Fujitani's input unit 114 as clearly shown in Fig. 2 so that

users will be able to input their ID's for confirmation before a print job can proceed. The motivation for this modification is to avoid unauthorized users getting confidential documents.

Claim 52, Virga in view of Zarco discloses all the limitations in Claim 47 but does not disclose wherein the functionality comprises a modified level of a print speed of the print engine.

Fujitani discloses wherein the functionality comprises a modified level of a print speed of the print engine. **(Fujitani: Section 0053, lines 5-8 and Claim 62- thus the user selects the speed that he wants the printer to print- hence the user can print at a selected print speed)**. Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Okubo's copier and the MFP so that users can change the print speed and this will unable the user to have an input as to how fast the document will be printed.

Claim 53, Virga in view of Zarco discloses all the limitations in Claim 47 but does not disclose wherein the functionality comprises a modified level of a print resolution of the print engine. Fujitani discloses wherein changing the first state of the print engine to the second state comprises changing a print resolution of the print engine. **(Section 0053, lines 7-9- thus the user has to select between the two levels of resolution that the printer can print and therefore the resolution can be changed from one resolution to another).** Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga copier or MFP to include Fujitani's print

resolution interface so that user can change the resolution of the printer. this will let users have different resolutions at which the document can be printed.

Claim 59, Virga in view of Zarco discloses all the limitations in claim 56 but does not disclose receiving payment information associated with the user selection information from the user.

Fujitani discloses receiving payment information associated with the user selection information from the user.

. **(Fig. 7 shows an interface that is used by the user to select or enter payment information such as how payment is going to be made- please see section 0043, lines 14-18).** Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga copier to include fujitani's user interface as shown in Fig. 7 so that the user can select how he wants payment to be made. This will enable the user to have a preferred way to make his payment.

Claim 60, Virga in view of Zarco discloses all the limitations in claim 59 but does not disclose providing the payment information to the server.

Fujitani discloses providing the payment information to the server.

. **(Fig. 7 shows an interface that is used by the user to select or enter payment information such as how payment is going to be made- please see section 0043, lines 14-18).** Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga copier to include fujitani's user

interface as shown in Fig. 7 so that the user can select how he wants payment to be made. This will enable the user to have a preferred way to make his payment

Claim 61,Virga in view of Zarco discloses the method further comprising receiving second information associated with the second state of operation of the functionality from the server **(Zarco: Server 304)** and **(Zarco: Section 0025, lines 4-6- thus the end user use a web server program to access the image-formation device 200)** in response to providing the user selection information **(Virga: Col. 8 lines 40-43- thus the user uses the keyboard 20 to specify which function such as scanning or printing)** but does not disclose wherein the payment information to the server.

Fujitani discloses wherein the payment information is provided to the server. **(Fig. 7 shows an interface that is used by the user to select or enter payment information such as how payment is going to be made- please see section 0043, lines 14-18).** Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga copier to include fujitani's user interface as shown in Fig. 7 so that the user can select how he wants payment to be made. This will enable the user to have a preferred way to make his payment

Claim 62, Virga in view of Zarco discloses all the limitations in claim 59 but does not disclose providing an interface for the user to enter the payment information.

Fujitani discloses providing an interface for the user to enter the payment information. **(Fig. 7 shows an interface that is used by the user to select or enter**

payment information such as how payment is going to be made- please see section 0043, lines 14-18). Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga's in view of Zarco to include fujitani's user interface as shown in Fig. 7 so that the user can select how he wants payment to be made. This will enable the user to have a preferred way to make his payment.

Claim 63, Virga in view of Zarco discloses all the limitations in Claim 53 but does not disclose wherein the functionality comprises a modified level of a print resolution of the print engine. Fujitani discloses wherein changing the first state of the print engine to the second state comprises changing a print resolution of the print engine. **(Section 0053, lines 7-9- thus the user has to select between the two levels of resolution that the printer can print and therefore the resolution can be changed from one resolution to another).** Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga to include Fujitani's print resolution interface so that user can change the resolution of the printer. this will let users have different resolutions at which the document can be printed.

Claim 64, Virga in view of Zarco discloses all the limitations in Claim 56 but does not disclose wherein the functionality comprises a modified level of a print resolution of the print engine. Fujitani discloses wherein changing the first state of the print engine to the second state comprises changing a print resolution of the print engine. **(Section 0053, lines 7-9- thus the user has to select between the two levels of resolution**

that the printer can print and therefore the resolution can be changed from one resolution to another). Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Virga to include Fujitani's print resolution interface so that user can change the resolution of the printer. this will let users have different resolutions at which the document can be printed.

Claims 24-25 and 33-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Virga (5321749) in view of Zarco (2004/ 0210894) and further in view of Seto (5581358)

Claim 24 and 33, Virga in view of Zarco discloses all the limitation in claims 1 and 17, however the combination does not disclose wherein the functionality for the print mechanism comprises a modified level of a print speed.

Seto discloses wherein the print speed can be changed-(Col. 7 lines 56-65 and Col. 8 lines 29-35 .Therefore it will be obvious to one ordinary skilled in the art for one skilled in the art at the time the invention was made to modify the apparatus as taught by Virga in view of Zarco to include the ability of the change in print speed as disclosed by Seto so that the user can have some flexibility in controlling the printing device.

Claims 25 and 34, Virga in view of Zarco discloses all the limitation in claims 1 and 17, however Virga in view of Zarco does not disclose wherein the functionality for the print mechanism comprises a modified level of a print resolution.

Seto discloses wherein the print resolution can be changed-(Col. 7 lines 56-65 and Col. 8 lines 29-35 .Therefore it will be obvious to one ordinary skilled in the art for one skilled in the art at the time the invention was made to modify the apparatus as

taught by Virga in view of Zarco to include the ability of the change in print speed as disclosed by Seto so that the user can have some flexibility in controlling the printing device.

Response to Arguments

2. Applicant's arguments filed 09/15/2010 have been fully considered but they are not persuasive.

Regarding claim 1, applicant argues that the cited reference fails to disclose the limitation "at least one memory comprising software, the software when executed performing a functionality for a print mechanism wherein the software is stored within a device that that includes the print mechanism,

In reply, Examiner respectfully disagree because Virga discloses "at least one memory comprising software, **(the program or software stored in Ram 10 shown in Fig. 2)** the software when executed performing a functionality for a print mechanism **(Col. 6 lines 55-61- thus the processor 7 via the program in RAM 10 and RAM 9 controls the operation of both the scanner and printer)** wherein the software is stored within a device that that includes the print mechanism, **(Fig. 2 and 3 shows clearly that both ROM 10 and RAM 9 are in Processor 7 which is also in apparatus as clearly shown in Fig. 3)**

Also argues that the reference fails to disclose control a state of operation of the functionality where a first state is associated with an inability to execute the software so that the print mechanism does not perform the functionality

In reply Examiner respectfully disagree because Virga discloses control a state of operation of the functionality where a first state is associated with an inability to execute the software so that the print mechanism does not perform the functionality.

(Col. 5 lines 4-10- thus before an encrypted document can be printed, the decryption unit needs to decrypt the document with the encryption key - therefore the first state is the state of the apparatus where the document cannot be printed because the document is not encrypted-Please NB)

NB_ as explained above the software that controls the printer to print the document cannot perform its printing function because the encryption key is not available)

Furthermore applicant argues that the cited reference fails to disclose the second state associated with an ability to execute the software so that the print mechanism performs the functionality.

In reply, Examiner respectfully disagree because Virga discloses that the second state associated with an ability to execute the software so that the print mechanism performs the functionality; **(Col. 6 lines 59-61- thus the second state reads on the state of the apparatus shown in Fig. 3 wherein the document is decrypted and thus the software for performing printing can print the document).**

Again applicant argues that the cited reference fails to discloses the limitation "where the second information enables execution of the software"

In reply Examiner respectfully disagree because Virga disclose clearly where the second information enables execution of the software **(Col. 5 lines 4-10- thus the decryption key is used to decrypt the document before the document can be printed)**.

Regarding claims 17, 27, 30 ,47 and 56 Applicant further argues that cited reference fails to disclose the features claimed in invention.

In reply, Examiner as clearly describe both below and in the Office action strongly disagree that Virga in view of Zarco clearly discloses all the limitations or features in Claim 17.

Conclusion

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL.** See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AKWASI M. SARPONG whose telephone number is (571)270-3438. The examiner can normally be reached on Monday-Friday 8:00am-5:00pm est.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, King Poon can be reached on 571-272-7440. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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